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PTO/SB/08B (10-96)

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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 10 of 10

Complete if Known

Application Number	09/053,237
Filing Date	April 1, 1998
First Named Inventor	Earl Cohen
Group Art Unit	2731
Examiner Name	Not Yet Assigned
Attorney Docket Number	CIS-032B

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials ¹	Cite No. ²	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
g		Allen, M., "Novell IPX Over Various WAN Media (IPXW AN)," Network Working Group, RFC 1551, December 1993, pp. 1-22.	
g		Becker, D., "3c589.c: A 3c589 EtherLink3 ethernet driver for linux," becker@CESDIS.gsfc.nasa.gov, May 3, 1994, pp. 1-13.	
g		Chowdhury, et al., "Alternative Bandwidth Allocation Algorithms for Packet Video in ATM Networks," INFOCOM 1992, PP. 1061-1068.	
g		Doeringer, W., "Routing on Longest-Matching Prefixes," IEEE/ACM Transactions in Networking, Vol. 4, No. 1, February 1996, pp. 86-97.	
g		Esaki, et al., "Datagram Delivery in an ATM-Internet," 2334b IEICE Transactions on Communications, March 1994, No. 3, Tokyo, Japan.	
g		IBM Corporation, "Method and Apparatus for the Statistical Multiplexing of Voice, Data and Image Signals," IBM Technical Disclosure Bulletin, No. 6, November 1992, pp.409-411.	
g		Pei, et al., "Putting Routing Tables in Silicon," IEEE Network Magazine January 1992, pp. 42-50.	
g		Perkins, D., "Requirements for an Internet Standard Point-to-Point Protocol," Network Working Group, RFC 1547, December 1993, pp. 1-19.	
g		Simpson, W., "The Point-to-Point Protocol (PPP)," Network Working Group, RFC 1548, December 1993, pp. 1-53.	
g		Tsuchiya, P.F., "A Search Algorithm for Table Entries with Non-Contiguous Wildcarding," Abstract, Bellcore.	
g		Zhang, et al., "Rate-Controlled Static-Priority Queueing," INFOCOM 1993, pp. 227-236.	

Examiner
Signature

STEVEN NGUYEN

Date
Considered

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Information Disclosure
Statement by Applicant
(Use several sheets if necessary)

Atty. Docket No.
CIS-032B

Serial No.
09/053,237

NOV 24 1998

Applicant: Earl Cohen

Group 2700

Filing Date: April 1, 1998

Group: 2731

U.S. PATENT DOCUMENTS

Exam. Init.		Document No.	Date	Name	Class	SubClass	Filing Date
	A	4,679,189	07/87	Olson, et al.	370	60	
	B	5,095,480	03/92	Fenner	370	94.1	
	C	5,287,453	02/94	Roberts	395	200	
	D	5,490,258	02/96	Fenner	395	401	
	E	5,630,125	05/97	Zellweger	395	614	
	F	5,748,186	05/98	Raman	345	302	

FOREIGN PATENT DOCUMENTS

Exam. Init.		Document No.	Date	Country	Class	SubClass	Translation	
							Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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(Rev. 2-32) Patent and Trademark OfficeAtty. Docket No.
CIS-032BSerial No.
09/053,237Information Disclosure
Statement by Applicant
(Use several sheets if necessary)

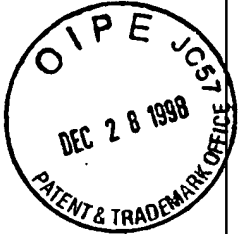
Applicant: Earl Cohen

Filing Date: April 1, 1998

Group: 2731

U.S. PATENT DOCUMENTS

Exam. Init.		Document No.	Date	Name	Class	SubClass	Filing Date
AE	A	5,684,797	11/97	Aznar et al.	370	390	
AE	B	5,689,506	11/97	Chiussi et al.	370	388	



FOREIGN PATENT DOCUMENTS

Exam. Init.		Document No.	Date	Country	Class	SubClass	Translation	
							Yes	No

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Examiner

Ahmed Elallam

Date Considered

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FIRST NAMED INVENTOR				First Named Inventor	Earl Cohen
GROUP ART UNIT				Group Art Unit	2731
EXAMINER NAME				Examiner Name	Not Assigned
ATTORNEY DOCKET NUMBER				Attorney Docket Number	CIS-032B
Sheet	2	of	2	RECEIVED NOV 17 1999 Group 2700	

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Examiner Signature	Ahmed Elabbar	Date Considered	9/5/00
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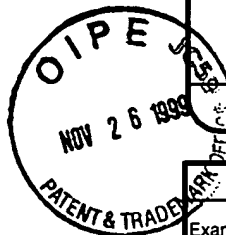
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		Number	Kind Code ² (if known)			
AE	AE	Re. 33,900		Howson	04/28/92	
AE	AE	4,131,767		Weinstein	12/26/78	
		4,161,719		Parikh, et al.	07/17/79	
		4,316,284		Howson	02/16/82	
		4,397,020		Howson	08/02/83	
		4,419,728		Larson	12/06/83	
		4,424,565		Larson	01/03/84	
		4,437,087		Petr	03/13/84	
		4,438,511		Baran	03/20/84	
		4,439,763		Limb	03/27/84	
		4,445,213		Baugh, et al.	04/24/84	
		4,446,555		Devault, et al.	05/01/84	
		4,456,957		Schieltz	06/26/84	
		4,464,658		Thelen	08/07/84	
		4,499,576		Fraser	02/12/85	
		4,506,358		Montgomery	03/19/85	
		4,507,760		Fraser	03/26/85	
		4,532,626		Flores, et al.	07/30/85	
		4,644,532		George, et al.	02/17/87	
AE	AE	4,646,287		Larson, et al.	02/24/87	

FOREIGN PATENT DOCUMENTS

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Sheet	2	of	10
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		Number	Kind Code ² (if known)			
AE	AE	4,677,423		Benvenuto, et al.	06/30/87	
A	A	4,679,189		Olson, et al.	07/07/87	
		4,679,227		Hughes-Hartogs	07/07/87	
		4,723,267		Jones, et al.	02/02/88	
		4,731,816		Hughes-Hartogs	03/15/88	
		4,750,136		Arpin, et al.	06/07/88	
		4,757,495		Decker, et al.	07/12/88	
		4,763,191		Gordon, et al.	08/09/88	
		4,769,810		Eckberg, Jr., et al.	09/06/88	
		4,769,811		Eckberg, Jr., et al.	09/06/88	
		4,771,425		Baran, et al.	09/13/88	
		4,819,228		Baran, et al.	04/04/89	
		4,827,411		Arrowood, et al.	05/02/89	
		4,833,706		Hughes-Hartogs	05/23/89	
		4,835,737		Herrig, et al.	05/30/89	
		4,879,551		Georgiou, et al.	11/07/89	
		4,893,306		Chao, et al.	01/09/90	
		4,903,261		Baran, et al.	02/20/90	
		4,922,486		Lidinsky, et al.	05/01/90	
A	AE	4,933,937		Konishi	06/12/90	

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Examiner Signature	A. E. Allen
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Date Considered	9/5/2000
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Attorney Docket Number	CIS-032B



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		Number	Kind Code ² (if known)			
AE	AE	4,960,310		Cushing	10/02/90	
		4,962,497		Ferenc, et al.	10/09/90	
		4,962,532		Kasirai, et al.	10/09/90	
		4,965,772		Daniel, et al.	10/23/90	
		4,970,678		Sladowski, et al.	11/13/90	
		4,980,897		Decker, et al.	12/25/90	
		4,991,169		Davis, et al.	02/05/91	
		5,003,595		Collins, et al.	03/26/91	
		5,014,265		Hahne, et al.	05/07/91	
		5,020,058		Holden, et al.	05/28/91	
		5,033,076		Jones, et al.	07/16/91	
		5,054,034		Hughes-Hartogs	10/01/91	
		5,059,925		Weisbloom	10/22/91	
		5,072,449		Enns, et al.	12/10/91	
		5,088,032		Bosack	02/11/92	
		5,095,480		Fenner	03/10/92	
		5,115,431		Williams, et al.	05/19/92	
		5,128,945		Enns, et al.	07/07/92	
		5,136,580		Vidlock, et al.	08/04/92	
AE	AE	5,166,930		Bruff, et al.	11/24/92	

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AE	↑	5,199,049		Wilson	03/30/93	
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		5,212,686		Joy, et al.	05/18/93	
		5,224,099		Corbalis, et al.	06/29/93	
		5,226,120		Brown, et al.	07/06/93	
		5,228,062		Bingham	07/13/93	
		5,229,994		Balzano, et al.	07/20/93	
		5,237,564		Lespagnol, et al.	08/17/93	
		5,241,682		Bryant, et al.	08/31/93	
		5,243,342		Kattemalalavadi, et al.	09/07/93	
		5,243,596		Port, et al.	09/07/93	
		5,247,516		Bernstein, et al.	09/21/93	
		5,249,178		Kurano, et al.	09/28/93	
		5,253,251		Aramaki	10/12/93	
		5,255,291		Holden, et al.	10/19/93	
		5,260,933		Rouse	11/09/93	
		5,260,978		Fleischer, et al.	11/09/93	
		5,268,592		Bellamy, et al.	12/07/93	
		5,268,900		Hluchyj, et al.	12/07/93	
AE	↓	5,271,004		Proctor, et al.	12/14/93	

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AE	AE	5,274,631		Bhardwaj	12/28/93	
		5,274,635		Rahman, et al.	12/28/93	
		5,274,643		Fisk	12/28/93	
		5,280,470		Buhrke, et al.	01/18/94	
		5,280,480		Pitt, et al.	01/18/94	
		5,280,500		Mazzola, et al.	01/18/94	
		5,283,783		Nguyen, et al.	02/01/94	
		5,287,103		Kasprzyk, et al.	02/15/94	
		5,287,453		Roberts	02/15/94	
		5,291,482		McHarg, et al.	03/01/94	
		5,305,311		Lyles	04/19/94	
		5,307,343		Bostica, et al.	04/26/94	
		5,311,509		Heddes, et al.	05/10/94	
		5,313,454		Bustini, et al.	05/17/94	
		5,313,582		Hendel, et al.	05/17/94	
		5,317,562		Nardin, et al.	05/31/94	
		5,319,644		Liang	06/07/94	
		5,327,421		Hiller, et al.	07/05/94	
		5,331,637		Francis, et al.	07/19/94	
		5,345,445		Hiller, et al.	09/06/94	

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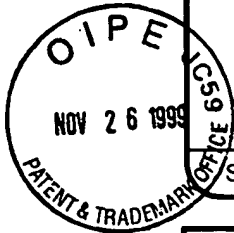
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		Number	Kind Code ² (if known)			
AE		5,345,446		Hiller, et al.	09/06/94	
↑		5,359,592		Corbalis, et al.	10/25/94	
		5,361,250		Nguyen, et al.	11/01/94	
		5,361,256		Doeringer, et al.	11/01/94	
		5,361,259		Hunt, et al.	11/01/94	
		5,365,524		Hiller, et al.	11/15/94	
		5,367,517		Cidon, et al.	11/22/94	
		5,371,852		Attanasio, et al.	12/06/94	
		5,386,567		Lien, et al.	01/31/95	
		5,390,170		Sawant, et al.	02/14/95	
		5,390,175		Hiller, et al.	02/14/95	
		5,394,394		Crowther, et al.	02/28/95	
		5,394,402		Ross	02/28/95	
		5,400,325		Chatwani, et al.	03/21/95	
		5,408,469		Opher, et al.	04/18/95	
		5,416,842		Aziz	05/16/95	
		5,422,880		Heitkamp, et al.	06/06/95	
		5,422,882		Hiller, et al.	06/06/95	
		5,423,002		Hart	06/06/95	
↓		5,426,636		Hiller, et al.	06/20/95	

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A. Etallum

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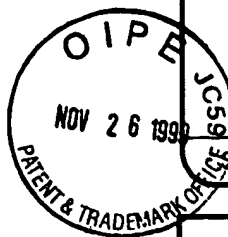


Complete if Known

Application Number	09/053,237
Filing Date	April 1, 1998
First Named Inventor	Earl Cohen
Group Art Unit	2731
Examiner Name	Not Yet Assigned
Attorney Docket Number	CIS-032B

(use as many sheets as necessary)

Sheet	7	of	10
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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
AE ↑		5,428,607		Hiller, et al.	06/27/95	
		5,430,715		Corbalis, et al.	07/04/95	
		5,442,457		Najafi	08/15/95	
		5,442,630		Gagliardi, et al.	08/15/95	
		5,452,297		Hiller, et al.	09/19/95	
		5,473,599		Li, et al.	12/05/95	
		5,473,607		Hausman, et al.	12/05/95	
		5,485,455		Dobbins, et al.	01/16/96	
		5,490,258		Fenner	02/06/96	
		5,491,687		Christensen, et al.	02/13/96	
		5,491,804		Heath, et al.	02/13/96	
		5,509,006		Wilford, et al.	04/16/96	
		5,519,704		Farinacci, et al.	05/21/96	
		5,526,489		Nilakantan, et al.	06/11/96	
		5,530,963		Moore, et al.	06/25/96	
		5,535,195		Lee	07/09/96	
		5,555,244		Gupta, et al.	09/10/96	
		5,561,669		Lenney, et al.	10/01/96	
V		5,583,862		Callon	12/20/96	
		5,592,470		Rudrapatna, et al.	01/07/97	

FOREIGN PATENT DOCUMENTS

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet **8** of **10****Complete if Known**

Application Number	09/053,237
Filing Date	April 1, 1998
First Named Inventor	Earl Cohen
Group Art Unit	2731
Examiner Name	Not Yet Assigned
Attorney Docket Number	CIS-032B

U.S. PATENT DOCUMENTS

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		Number	Kind Code ² (if known)			
AE	8	5,598,581		Daines, et al.	01/28/97	
		5,604,868		Komine, et al.	02/18/97	
		5,617,417		Sathe, et al.	04/01/97	
		5,617,421		Chin, et al.	04/01/97	
		5,630,125		Zellweger	05/13/97	
		5,632,021		Jennings, et al.	05/20/97	
		5,634,010		Ciscon, et al.	05/27/97	
		5,638,359		Peltola, et al.	06/10/97	
		5,644,718		Belove, et al.	07/01/97	
		5,659,684		Giovannoni, et al.	08/19/97	
		5,666,353		Klausmeier, et al.	09/09/97	
		5,673,265		Gupta, et al.	09/30/97	
		5,678,006		Valizadeh, et al.	10/14/97	
		5,684,797		Aznar, et al.	11/04/97	
		5,689,506		Chiussi, et al.	11/18/97	
		5,694,390		Yamato, et al.	12/21/97	
		5,748,186		Raman	05/05/98	
		5,748,617		McLain, Jr.	05/05/98	
		5,608,726		Virgile	03/04/97	
		5,517,494		Green	05/14/96	

FOREIGN PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
AE	8		WO93/07569		Harriman, et al.	04/15/93		
			WO93/07692		Harriman	04/15/93		
			WO94/01828		Bialkowski, et al.	01/20/94		
			WO95/20850		Dobbins, et al.	08/03/95		
			0 384 758 A2		Katsube	08/29/90		
			0 431 751 A1		Carter, et al.	06/12/91		
			0 567 217 A2		Hart	10/27/93		
AE	8							

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Application Number	09/053,237
Filing Date	April 1, 1998
First Named Inventor	Earl Cohen
Group Art Unit	2731
Examiner Name	Not Yet Assigned
Attorney Docket Number	CIS-032B

Sheet 9 of 10

U.S. PATENT DOCUMENTS

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		Number	Kind Code ² (if known)			
AE		5,504,747		Sweasey	04/02/96	
		5,497,368		Reijnierse, et al.	03/05/96	
		5,539,734		Burwell, et al.	07/23/96	
		5,208,811		Kashio, et al.	05/04/93	
		5,490,140		Abensour, et al.	02/06/96	
		5,477,541		White, et al.	12/19/95	
		5,600,798		Cherukuri, et al.	02/04/97	
		5,835,710		Nagami, et al.	11/10/98	
		5,631,908		Saxe	05/20/97	
		5,687,324		Green et al.	11/11/97	
		5,724,351		Chao, et al.	03/03/98	
		5,754,547		Nakazawa	05/19/98	
		5,854,903		Morrison et al.	12/29/98	
		5,898,686		Virgile	04/27/99	

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 10 of 10

Complete if Known

Application Number	09/053,237
Filing Date	April 1, 1998
First Named Inventor	Earl Cohen
Group Art Unit	2731
Examiner Name	Not Yet Assigned
Attorney Docket Number	CIS-032B

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
AE		Allen, M., "Novell IPX Over Various WAN Media (IPXW AN)," Network Working Group, RFC 1551, December 1993, pp. 1-22.	
AE		Becker, D., "3c589.c: A 3c589 EtherLink3 ethernet driver for linux," becker@CESDIS.gsfc.nasa.gov, May 3, 1994, pp. 1-13.	
AE		Chowdhury, et al., "Alternative Bandwidth Allocation Algorithms for Packet Video in ATM Networks," INFOCOM 1992, PP. 1061-1068.	
AE		Doeringer, W., "Routing on Longest-Matching Prefixes," IEEE/ACM Transactions in Networking, Vol. 4, No. 1, February 1996, pp. 86-97.	
AE		Esaki, et al., "Datagram Delivery in an ATM-Internet," 2334b IEICE Transactions on Communications, March 1994, No. 3, Tokyo, Japan.	
AE		IBM Corporation, "Method and Apparatus for the Statistical Multiplexing of Voice, Data and Image Signals," IBM Technical Disclosure Bulletin, No. 6, November 1992, pp.409-411.	
AE		Pei, et al., "Putting Routing Tables in Silicon," IEEE Network Magazine, January 1992, pp. 42-50.	
AE		Perkins, D., "Requirements for an Internet Standard Point-to-Point Protocol," Network Working Group, RFC 1547, December 1993, pp. 1-19.	
AE		Simpson, W., "The Point-to-Point Protocol (PPP)," Network Working Group, RFC 1548, December 1993, pp. 1-53.	
AE		Tsuchiya, P.F., "A Search Algorithm for Table Entries with Non-Contiguous Wildcarding," Abstract, Bellcore.	
AE		Zhang, et al., "Rate-Controlled Static-Priority Queueing," INFOCOM 1993, pp. 227-236.	

Examiner Signature A. E. Allan

Date Considered 9/8/00

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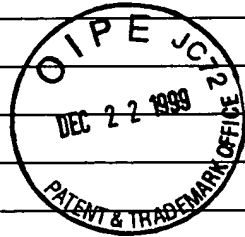
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FORM PTO-1449	ATTY. DOCKET NO.	CIS-032B	SERIAL NO	09/053,237
	APPLICANT	Earl Cohen		
	FILING DATE	April 1, 1998	GROUP	2731

REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
AE	4,979,118	12/90	Kheradpir, Shaygan	364	436
AE	5,892,924	04/99	Lyon et al	395	200.75
AE	5,519,858	05/96	Walton et al	395	600
AE	5,309,437	05/94	Perlman et al	730	85.13



FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLAS	TRANSLATION	
						YES	NO

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

Ahmed Elallam 9/5/00	Ahmed Elallam. (Examiner). 9/5/00